



SEQUENCE LISTING

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TAKAHASHI, NOBUAKI
MIKAYAMA, TOSHIFUMI

<120> ISOLATION AND CHARACTERIZATION OF HIGHLY ACTIVE ANTI-CD40
ANTIBODY

<130> 021286/0272501

<140> 10/040,244

<141> 2001-10-26

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<151> 2000-4-28

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<150> 09/844,684

<151> 2001-04-27

<160> 17

<170> PatentIn Ver. 3.0

<210> 1

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 1

cccagatctg tccatccaga accacccact gcatgcagag

40

<210> 2

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 2

acaagatctg ggctctacgt atctcagccg atcctgggga c

41

<210> 3
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 3
 gtgcacgccg ctggtcaggg cgcctg 26

 <210> 4
 <211> 26
 <212> DNA
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 <223> Description of Artificial Sequence: Primer

 <400> 4
 gttgaagctc tttgtgacgg gcgagc 26

 <210> 5
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 <400> 5
 accgtgtcga cggtgatcag gactgaacag 30

 <210> 6
 <211> 29
 <212> DNA
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<210> 7
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<220>
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<400> 7
 agtgctagct gaggagacgg tgac 24

<210> 8
 <211> 30
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 <213> Artificial Sequence

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<400> 8
 aactccagat ctagggcaag cagtggtaac 30

<210> 9
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 9
 tatcccgtac gggtgatctc caccttggtc 30

<210> 10
 <211> 520
 <212> DNA
 <213> Homo sapiens

<400> 10
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 agttcagcct ggggggtccc tgagactctc ctgtgcagtc tctggattca ccttcagtac 180
 ctactggatg cactgggtcc gccaaagctcc agggaaagggg ctggtgtggg tctcacgtat 240
 taatagtgat gggagtagca caacctacgc ggactccgtg aagggccgat tcaccatctc 300
 cagagacaac gccaaagaaca cgctgtatct gcaaataaac agtctgagag ccgaggacac 360
 ggctgtgtat tactgtgcaa gagatagagt actatggatc ggggagttat cctactacgg 420
 tatggacgtc tggggccaag ggaccacggt caccgtctcc tcagctagca ccaagggccc 480
 atcggctcttc cccctggcac cctcctccaa gagcacctct 520

<210> 11
 <211> 698
 <212> DNA
 <213> Homo sapiens

<400> 11
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 gctcctgctg ctctggctcc caggtgccaa atgtgacatc cagatgaccc agtctccttc 120
 caccctgtct gcatctgtag gagacagagt caccatcact tgccgggcca gtcagagtat 180
 tagtaactgg ttggcctggg atcagcagaa accagggaaa gccctaagc tcctgctcta 240
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 ggtggctgca ccatctgtct tcattctccc gccatctgat gagcagttga aatctggaac 480
 tgcctctgtt gtgtgctgc tgaataactt ctatcccaga gaggccaaag tacagtggaa 540
 ggtggataac gccctccaat cgggtaactc ccaggagagt gtcacagagc aggacagcaa 600
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 caaagtctac gcctgcgaag tcacccatca gggcctga 698

<210> 12
 <211> 580
 <212> DNA
 <213> Homo sapiens

<400> 12
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 ggtacagcct ggggggtccc tgagactctc ctgtgcagcc tctggattcg cctttagcag 180
 ctatgccatg agctgggtcc gccaggctcc aggggaagggg ctggagtggg tctcagctat 240
 tagtggtagt ggtggttagca catactacgc agactccgtg aaggggccggg tcaccatctc 300
 cagagacaat tccaagaaca cgctgtatct gcaaataaac agcctgagag ccgaggacac 360
 ggccgtatat tactgtgcca aagatggggg gtactatggt tcggggagtt atgggtactt 420
 tgactactgg ggccaggga cctgggtcac cgtctcctca gctagacca agggcccatc 480
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 cctgggtcaag gactacttcc ccgaaccggg gacgggtgctg 580

<210> 13
 <211> 716
 <212> DNA
 <213> Homo sapiens

<400> 13
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 gatgaccag tctccatctt ccgtgtctgc atctgcagga gacagagtca ccatcacttg 180
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 ccctaagctc ctgatctatg ctggatccag tttgcaaagt ggggtcccat caaggttcag 300
 cggcagtgga tttgggacag atttcaactt caccatcggc agcctgcagc ctgaagattt 360
 tgcaacttac tattgtcaac aggttagcag tttccctcgg acgttcggcc aagggaccaa 420
 ggtggagatc aaacgtacgg tggctgcacc atctgtcttc atcttcccgc catctgatga 480
 gcagttgaaa tctggaactg cctctgttgt gtgcctgctg aataacttct atccagaga 540
 ggccaaagta cagtggaaag tggataacgc cctccaatcg ggtaactccc aggagagtgt 600
 cacagagcag gacagcaagg acagcaccta cagcctcagc agcaccctga cgctgagcaa 660

agcagactac gagaaacaca aagtctacgc ctgcgaagtc acccatcagg gcctga 716

<210> 14
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 14
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 ctttttcttg tggctatattt aaaaggtgtc cagtgtgagg tgcagctgtt ggagctctggg 180
 ggaggcttgg tacagcctgg ggggtccctg agactctcct gtgcagcctc tggattcacc 240
 ttttagcagct atgccatgag ctgggtccgc caggctccag ggaagggggt ggagtggttc 300
 tcagctatta gtggtagtgg tggtagcaca tactacgcag actccgtgaa gggccgggtc 360
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 gaggacacgg ccgtatatta ctgtgcgaaa gatggggggg actatgggtc ggggagttat 480
 ggggtactttg actactgggg ccagggaacc ctggtcaccg tctcctcagc tagcaccaag 540
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 ctgggctgcc tgggtcaagga ctacttcccc 630

<210> 15
 <211> 728
 <212> DNA
 <213> Homo sapiens

<400> 15
 caagcagtgg taacaacgca gagtacgcgg ggggagtcag acccagtcag gacacagcat 60
 ggacatgagg gtccccgctc agtcctctggg gtcctctgct ctctggttcc cagggtccag 120
 atgcgacatc cagatgaccc agtctccatc ttccgtgtct ggatctgtag gagacagagt 180
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 atcaagggtc agcggcagtg gatttgggac agatttccact ctcacatca gcagcctgca 360
 gcctgaagat tttgcaactt actattgtca acaggctagc agtttccctc ggacattcgg 420
 ccaagggacc aagggtggaga tcaaacgtac ggtggctgca ccatctgtct tcatcttccc 480
 gccatctgat gagcagttga aatctggaac tgctctgtt gtgtgcctgc tgaataactt 540
 ctatcccaga gaggccaaaag tacagtggaa ggtggataac gccctccaat cgggtaactc 600
 ccaggagagt gtcacagagc aggacagcaa ggacagcacc tacagcctca gcagcaccct 660
 gacgctgagc aaagcagact acgagaaaca caaagtctac gcctgcgaag tcacccatca 720
 gggcctga 728

<210> 16
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 16

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Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Ala	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40						45		

Ser	Ala	Ile	Ser	Gly	Ser	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val
50						55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70				75						80
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85					90					95		
Ala	Lys	Asp	Gly	Gly	Tyr	Tyr	Gly	Ser	Gly	Ser	Tyr	Gly	Tyr	Phe	Asp
			100				105					110			
Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser				
		115					120								

<210> 17
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 17

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Val	Ser	Gly	Ser	Val	Gly
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		20					25				30				
Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35				40				45					
Tyr	Ala	Gly	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50				55				60						
Ser	Gly	Phe	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65				70					75					80	
Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ala	Ser	Ser	Phe	Pro	Arg
			85					90					95		
Thr	Phe	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys						
		100					105								